

Resource Summary Report

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University of Massachusetts Amherst IALS Raman, IR, and XRF Spectroscopy Core Facility

RRID:SCR_028984

Type: Tool

Proper Citation

University of Massachusetts Amherst IALS Raman, IR, and XRF Spectroscopy Core Facility (RRID:SCR_028984)

Resource Information

URL: <https://www.umass.edu/ials/core-facilities/raman-ir-and-xrf-spectroscopy>

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Description: Core provides advanced spectroscopic analysis for the non-destructive characterization of organic and inorganic materials. Enables characterization of compound identity, molecular composition, chemical structure, and elemental composition. Provides chemical and elemental mapping, allowing users to determine not only what compounds or elements are present, but also where they are distributed within a sample. These capabilities support comprehensive characterization of complex and heterogeneous materials. Provides services for academic researchers and industry partners across diverse applications, including biomedical and biological samples, food and agricultural materials, environmental samples, polymers and microplastics, pharmaceuticals, advanced materials, and elemental/heavy-metal analysis.

Synonyms: IR, and XRF core facility, Raman

Resource Type: access service resource, core facility, service resource

Keywords: ABRF, spectroscopy services, spectroscopic analysis, non-destructive characterization of organic and inorganic materials,

Availability: Open

Resource Name: University of Massachusetts Amherst IALS Raman, IR, and XRF Spectroscopy Core Facility

Resource ID: SCR_028984

Alternate IDs: ABRF_6173

Alternate URLs: <https://coremarketplace.org/?FacilityID=6173&citation=1>

Record Creation Time: 20260912T054742+0000

Record Last Update: 20260919T200144+0000

Ratings and Alerts

No rating or validation information has been found for University of Massachusetts Amherst IALS Raman, IR, and XRF Spectroscopy Core Facility.

No alerts have been found for University of Massachusetts Amherst IALS Raman, IR, and XRF Spectroscopy Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.